

ABSTRACT

5 A heat roller has a cylindrical sheet-like heating
element, an inner tube and an outer tube. The sheet-like
heating element has a resistance member embedded into an
insulating member. The outer tube has a non-linear shape
seen in an axial direction. The heat roller is
fabricated by supplying pressurized fluid to the inner
tube for expanding the inner tube, sheet-like heating
10 element and outer tube toward a die. The die has a non-
linear inner shape seen in the axial direction.
Therefore, the outer tube of the fabricated heat roller
has a non-linear shape. Further, an edge section of the
inner tube can simultaneously be formed into a desired
15 shape.